



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

SGI

SGI Altix 350 (1400MHz/1.5MB, Itanium 2)

SPECfp_rate2000 = 243

SPECfp_rate_base2000 = 241

SPEC license #: 4 | Tested by: SGI | Test date: Jan-2004 | Hardware Avail: Jan-2004 | Software Avail: Dec-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	16	131	226	16	131	226
171.swim	16	144	401	16	144	401
172.mgrid	16	131	255	16	133	252
173.applu	16	74.1	526	16	74.1	526
177.mesa	16	128	203	16	128	203
178.galgel	16	169	319	16	169	319
179.art	16	212	228	16	212	228
183.quake	16	70.8	341	16	70.8	341
187.facerec	16	159	222	16	159	222
188.amp	16	271	151	16	271	151
189.lucas	16	190	196	16	188	198
191.fma3d	16	233	167	16	233	167
200.sixtrack	16	97.3	210	16	97.3	210
301.apsi	16	300	161	16	278	174

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1400
 FPU: Integrated
 CPU(s) enabled: 16 cores, 16 chips, 1 core/chip
 CPU(s) orderable: 2-16
 Parallel: No
 Primary Cache: 16KBI + 16KBD (on chip) per CPU
 Secondary Cache: 256KB (on chip) per CPU
 L3 Cache: 1.5MB (on chip) per CPU
 Other Cache: N/A
 Memory: 32 GB (8*512MB PC2100 DIMMS per 2cpu module)
 Disk Subsystem: 1 x 36 GB SCSI (Seagate Cheetah 15k rpm)
 Other Hardware: None

Software

Operating System: SGI ProPack(TM) v2.3
 Compiler: Intel(R) Fortran Compiler for Linux 8.0 (Build 20031017)
 Intel(R) C++ Compiler for Linux 8.0 (Build 20031017)
 File System: xfs
 System State: Single-user

Notes/Tuning Information

+FDO: PASS1=-prof_gen PASS2=-prof_use

Baseline optimization flags:

C programs: -ipo -O3 +FDO -ansi_alias
 Fortran programs: -ipo -O3 +FDO

Portability Flags:

178.galgel: -FI

Peak optimization flags:

168.wupwise: basepeak=yes
 171.swim: basepeak=yes
 172.mgrid: -O3 -ipo
 173.applu: basepeak=yes
 177.mesa: basepeak=yes
 178.galgel: basepeak=yes
 179.art: basepeak=yes



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

SGI

SGI Altix 350 (1400MHz/1.5MB, Itanium 2)

SPECfp_rate2000 = 243

SPECfp_rate_base2000 = 241

SPEC license #: 4 | Tested by: SGI | Test date: Jan-2004 | Hardware Avail: Jan-2004 | Software Avail: Dec-2003

Notes/Tuning Information (Continued)

183.quake: basepeak=yes
187.facerec: basepeak=yes
188.ammmp: basepeak=yes
189.lucas: -O3 -ipo
191.fma3d: basepeak=yes
200.sixtrack: basepeak=yes
301.apsi: -O3 -ipo

Processes were bound to CPUs using dplace.